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## 4321365 : Oligonucleotides useful as adaptors in DNA cloning, adapted DNA molecules, and methods of preparing adaptors and adapted molecules

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**INTL. CLASS (Ed. 3):** C07H 021/04;  
**U.S. CLASS:** 536/027; 536/028; 536/029;  
**FIELD OF SEARCH:** 536-26-29 ; 435-317,172 ;



The invention described herein was made in the course of work under a grant, GM-18887, from the Department of Health, Education and Welfare.

**ABSTRACT:** Synthetic oligonucleotides have been designed and prepared which are useful in the molecular cloning of a variety of DNA molecules. By means of such oligonucleotides, genetic informational material, e.g., DNA, can be joined to a cloning vehicle and transferred into host cells by transformation. Additionally, a method for determining whether genetic informational material has been transferred into transformed host cells has been developed.

**U.S. REFERENCES:** [Show the 25 patents that reference this one](#)

Patent	Inventor	Issued	Title
4237224	Cohen et al.	12 /1980	Process for producing biologically functional molecular chimeras

**EXEMPLARY CLAIM(s):** [Show all 19 claims](#)

We claim:

1. An adaptor molecule useful for attaching DNA containing genetic information to a cloning vehicle consisting of DNA which comprises a double-stranded oligodeoxyribonucleotide having at one end thereof a protruding nucleotide sequence which is the recognition site for a restriction endonuclease.

**RELATED U.S. APPLICATIONS:** none

**FOREIGN APPLICATION PRIORITY DATA:** none

**FOREIGN REFERENCES:** none

## OTHER REFERENCES:

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